

LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO
MISSOURI ROCK, INC.

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of

limestone in the state of Missouri. The extent of the

Proposed mining operation(s) will be on 281 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Renewal

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Ray	02, 10, 11, 14	51N	29W	186	0	186	Orrick Quarry	0330
Clay	13	51N	31W	95	0	95	*Missouri City Mine	0331
							*Issued for reclamation only	

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 4th day of October 2004

DIRECTOR OF STAFF
Land Reclamation Commission

Permit No. 0244

Effective Date 10/04/2004

Expiration Date 09/02/2005

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AUG 16 2004



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

MISSOURI LAND
RECLAMATION COMMISSIONP.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL Missouri Rock, Inc.		DATE 8/12/04	
ADDRESS P.O. Box 1095	CITY Independence	STATE MO	ZIP CODE 64051
CONTACT PERSON Tim Reiter		TELEPHONE NUMBER 816-257-2300	

FEES: COMPLETE SECTION I OR SECTION II

SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1. ORRICK Quarry	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300.00
2. Missouri City Mine	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 150.00
3.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
4.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
5.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
TOTAL SITE FEE		\$ 450.00

2. Acreage Fee \$5 X 281 number of acres bonded \$1,405.00

3. Annual Permit Fee \$ 500

4. Total Fee (Add totals from 1, 2 and 3) \$ 2,355.00

NOTE: If Total Fee exceeds \$2,500.00 then pay only \$ 2,500

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee \$ 300

SIGNATURE OF APPLICANT Tim Reiter		TITLE Manager	DATE 8/12/04	
Appeared before me this <u>12</u> day of <u>August</u> , 2004. <u>Tim Reiter</u> to me personally known, who executed the above as their free acts and deeds.				
NOTARY PUBLIC EMBOSSEER SEAL	STATE OF <u>Missouri</u>		COUNTY (OR CITY OF ST. LOUIS) <u>Jackson</u>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS <u>12</u> DAY OF <u>August</u> YEAR <u>2004</u>		USE RUBBER STAMP IN CLEAR AREA BELOW. SUSAN E. McCULLOCH NOTARY PUBLIC - NOTARY SEAL County of Jackson, STATE OF MISSOURI My Commission Expires: June 12, 2008	
	NOTARY PUBLIC SIGNATURE Susan E. McCulloch	MY COMMISSION EXPIRES 6/12/2008		
	NOTARY PUBLIC NAME (TYPED OR PRINTED) SUSAN E. McCulloch			
FOR DEPARTMENT USE ONLY: APPROVED BY [Signature]		DATE APPROVED 9/21/04	PERMIT NUMBER 0244	EXPIRATION DATE 9/02/05



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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FEB 17 2004

To be completed for each separate area of disturbance associated with mining operations.			MISSOURI LAND RECLAMATION COMMISSION	
SITE NAME OR NUMBER Orrick Quarry		PERMIT NUMBER 244		
COMPANY NAME Missouri Rock				
COUNTY RAY	1/4 SECTION		SECTION 2, 11, 14, 10	
TOWNSHIP 51	RANGE 29		ACRES 430	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)				
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES)		

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) W. A. Ellis Const. Co / Missouri Rock, Inc.		
ADDRESS 21500 E. 24 Hwy PO Box 1095		
CITY Independence	STATE MO	ZIP CODE 64051
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) SAME AS ABOVE		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

COMPANY NAME Missouri Rock, Inc.

☐ LONG TERM, FOR PERIOD THROUGH DATE: Sept. 2, 2025

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL VEGETATION AND TOPOGRAPHY.

Rolling + Steep Hillsides - Partially Wooded

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MISSOURI LAND
RECLAMATION COMMISSION

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

6 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Dozers, Scrapers, Front End Loaders and End Dumps will be utilized to remove top soil.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Scrapers and End Dumps will stockpile topsoil. Stock Piles will be shaped and seeded to protect from erosion.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

Spoil material will be placed in previously mined "Pit" area adjacent to active "Pit" & graded to 3:1 or flatter slope before topsoil is placed.

RECEIVED**FEB 17 2004****MISSOURI LAND
RECLAMATION COMMISSION****C. ACID MATERIALS**

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

NONE

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

See detail map

YES NO

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)☐ ☒ Will any excavation start at or within fifty feet (50') of any property line?

NOTE: If the answer is "yes," a safety barrier may be needed.

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

wildlife

B. SEEDING OR PLANTING TIME

Spring and/or Fall

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Disc, Drill seed & mulch typically

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MISSOURI LAND
RECLAMATION COMMISSION

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Big Blue Stem	8		
Switchgrass	10		
Sweet Clover	8		
Orchard grass	10		
willflower	5		

REVEGETATION MIX #2

PURPOSE OR LAND USE

For steeper slopes

B. SEEDING OR PLANTING TIME

Spring and/or Fall

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Same as mix 1 Above

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
OATS	200		
Brome	50		
Orchard Grass	30		
Sweet Clover	4		
lespedeza	4		

B. GRADING

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DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

MISSOURI LAND
RECLAMATION COMMISSION

Typically graded to A Free Draining Topography,
Traversable by farm machinery. Pit Floors graded
To drain. Slopes 3:1 or flatter. Some water allowed
to pond.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

Grading done as pit advances & Spoils placed
in mined out portions. Finish Grading/Dirt cap
often done in winter months or when area is not
anticipated to be disturbed further.

REPLACEMENT OF TOPSOIL

After finish grading, 12" Topsoil/soil cap minimum placed
over Spoils. Typically within 12 months of permit expiration.

REVEGETATION

To be seeded during planting season - Spring and/or fall.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12"

D. USE OF LAND WHEN RECLAIMED

ESTIMATED ACRES:

Estimate acreage of each land use below, after reclamation

Wildlife (forest or other habitat with livestock excluded)

289

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

113

Water (for wildlife, agriculture, or development)

28

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FEB 17 2004

MISSOURI LAND
RECLAMATION COMMISSION

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT <i>Tim Reith</i>		TITLE <i>Manager</i>	DATE <i>2/17/04</i>
NOTARY PUBLIC EMBOSSER SEAL	STATE <i>Missouri</i>	COUNTY (OR CITY OF ST. LOUISI) <i>Cole</i>	
SUBSCRIBED AND SWORN BEFORE ME, THIS <i>17th</i> DAY OF <i>February</i> , <i>2004</i>		USE RUBBER STAMP IN CLEAR AREA BELOW	
NOTARY PUBLIC'S SIGNATURE <i>Shirley L. Grantham</i> (NOTARY PUBLIC NAME TYPED OR PRINTED) <i>Shirley L. Grantham</i>		MY COMMISSION EXPIRES <i>2/7/2007</i>	
APPROVED BY DIRECTOR'S REPRESENTATIVE <i>[Signature]</i>	DATE APPROVED <i>5-24-04</i>	PERMIT NUMBER <i>0244</i>	



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

RECEIVED
JUL 11 1997

MISSOURI LAND
RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER 1, MISSOURI CITY MINE		PERMIT NUMBER 244	
COMPANY NAME MISSOURI ROCK, INC.			
COUNTY CLAY	1/4 SECTION -	SECTION 13	
TOWNSHIP 51N	RANGE 31W	ACRES 115	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A			
MINERAL COMMODITY LIMESTONE		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) IN-STREAM N/A	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) MISSOURI ROCK, INC / W.A. ELLIS CONST. CO.		
ADDRESS - mailing P.O. Box 1095		
CITY INDEPENDENCE	STATE MISSOURI	ZIP CODE 64051
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT 1974
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Same as above		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

RECEIVED
JUL 11 1997

MISSOURI LAND

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: **OCT 2007**

RECLAMATION COMMISSION
COMPANY NAME **Missouri Rock Inc / W.A. Ellis Const. Co.**

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

**ROLLING & STEEP HILLSIDES WITH WOODED, PASTURE AND
SOME LEVEL AREAS FROM PREVIOUS MINING ACTIVITY**

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

0" ± INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

HEAVY EQUIP: DOZERS & SCRAPERS

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

**DOZERS & SCRAPERS TO STOCK PILE, TRACK IN, DIKE / SED PONDS
AS NEEDED TO MINIMIZE EROSION SHORT TERM, SEED (WHEAT-RYE MOST LIKELY)
FOR LONGER TERM PROTECTION.**

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

MISSOURI LAND
RECLAMATION COMMISSION

SPOIL MAT'L TYPICALLY PLACED IN PREVIOUSLY
MINED OUT "PIT" AREA ADJACENT TO ACTIVE "PIT"

C. ACID MATERIALS - sulfur etc

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

NONE

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

(PRIMARILY) NEAR CENTER OF BONDED ACRES AROUND
RIP RAP PLANT.

YES NO

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐ ☒ Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1	PURPOSE OR LAND USE <u>Steeper Slopes / Wildlife</u>	B. SEEDING OR PLANTING TIME <u>Spring &/or Fall</u>
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DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

SUBCONTACTED: DISC, DRILL SEED & MULCH TYP

→ 12-12-12 typically used

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
<u>Crown Vetch, Fescue & Rye</u> <u>Ornamental Grass</u> <u>WH</u> <u>9</u> <u>11</u> <u>9-7-97</u>	<u>18 ±</u> <hr style="width: 50%; margin: 5px auto;"/> <u>8-10</u>		

REVEGETATION MIX #2	PURPOSE OR LAND USE <u>Pasture for Wildlife</u>	B. SEEDING OR PLANTING TIME <u>Spring &/or Fall</u>
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DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Same as above

→ 12-12-12 typically used

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
<u>Wheat, Fescue & Rye</u>	<u>18 ±</u>		

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES. - whatever necessary to release acres as reclaimed

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

MISSOURI LAND
RECLAMATION COMMISSION

SPOIL TYPICALLY GRADED SLOPE AREA (w/ VEGETATION)
OR FLAT AREAS ^{TYP} USED TO STOCKPILE LIMESTONE PRODUCTS,
TYPICALLY GRADED TO A FREE DRAINING TOPOGRAPHY, TRAVERSABLE
BY FARM MACHINERY.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING
GRADING DONE AS PIT ADVANCES & SPOIL PLACED IN MINED OUT PORTIONS.
FINISH GRADING TYPICALLY DONE IN WINTER MONTHS &/OR WHEN AREA IS NOT
ANTICIPATED TO BE FURTHER DISTURBED

REPLACEMENT OF TOPSOIL

AFTER FINISH GRADING WHERE APPLICABLE - 12" TOPSOIL/ SOIL CAP OVER SPOIL
AREAS TO BE COMPLETED WITHIN 1 YEAR AFTER EXPIRATION OF PERMIT (FOR
AREAS NO LONGER ACTIVE).

REVEGETATION

TOPSOILED/ FINISH GRADED AREAS TO BE SEEDED DURING PLANTING SEASON
IN SPRING OR FALL - COMPLETED WITHIN 2 YEARS AFTER EXPIRATION OF THE
APPLICATION PERMIT AS APPLICABLE.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

35 ±

Agricultural (pasture, cropland, and horticultural)

20 ±

Development (residential, industrial, and recreational)

58 ±

Water impoundments (for wildlife, agricultural, or development)

2 ±

RECEIVED
JUL 11 1997

MISSOURI LAND
RECLAMATION COMMISSION

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo [REDACTED] and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT <i>Wade Hildner</i>		TITLE ENGINEER	DATE 7/7/97
NOTARY PUBLIC EMBOSSEER SEAL	STATE <i>Missouri</i>	COUNTY (OR CITY OF ST. LOUIS) <i>Lafayette</i>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS 17 TH DAY OF <i>July</i> 19 <i>97</i>		USE RUBBER STAMP IN CLEAR AREA BELOW PAM BRECKENRIDGE NOTARY PUBLIC LAFAYETTE COUNTY COMMISSION EXPIRES SEPT. 13, 1999
	NOTARY PUBLIC SIGNATURE <i>Pam Breckenridge</i>		
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>Pam Breckenridge</i>		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>Thomas J. Schuler</i>		DATE APPROVED 8-7-97	PERMIT NUMBER 244

DATE: 8/27/41

500 1000

AERIAL PHOTOGRAPH OF MISSOURI ROCK

ORRICK, MISSOURI

ES42

AD

N



PROPERTY LINE

TRAIL

OLD WPA CRUSHER
(NOT OPERATIONAL)

1969 SHOP

OPEN PIT
OVERBANK

ROUTE 10

ES42

29.1

ES42

60

12.0

1500
1000

0 100' 200' 300' 400' 500'

Clay Co, MO
S13T51NR31W
By: WOH

PROPERTY LINE

YELLOW

PURPLE

BLUE

BLUE HATCHED

GREEN

BROWN

LIGHT BLUE
OUTLINE

LIGHT BLUE
OUTLINE

W. A. ELLIS

8 Acres + 12 Acres = 20 Acres

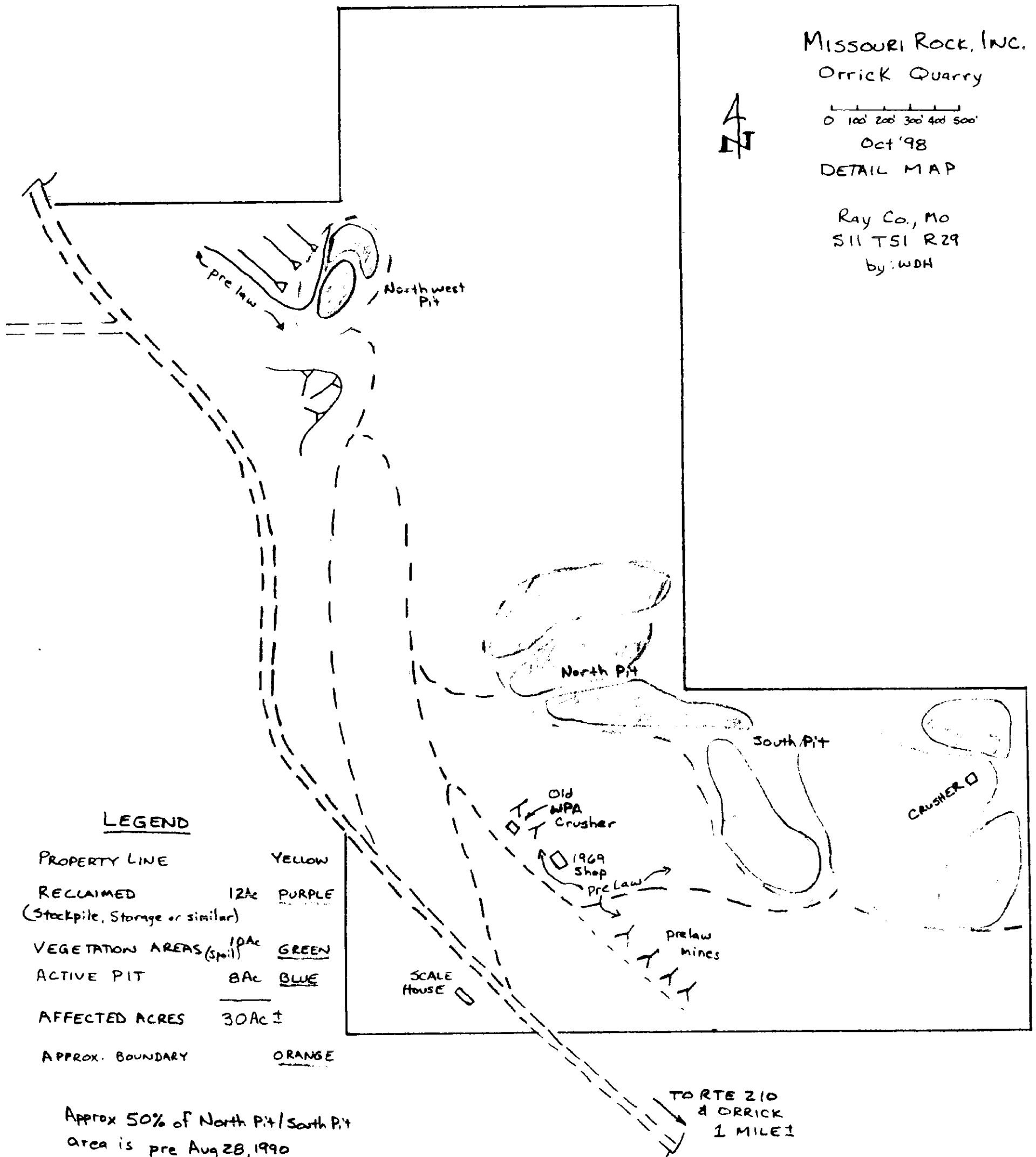
Missouri Rock, Inc.
Orrick Quarry

0 100' 200' 300' 400' 500'

Oct '98

DETAIL MAP

Ray Co., MO
S11 T51 R29
by: WDH



Approx 50% of North Pit/South Pit
area is pre Aug 28, 1990